

EAST Search History

L14	1	"3773579".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:47
L15	2	"3833502".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:47
L16	1	"3980571".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:48
L17	1	"4169068".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:48
L18	1	"4169068".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:48
L19	1	"4269739".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:48
L20	1	"4169068".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:49
L21	1	"4269739".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:49
L22	1	"4313837".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:49
L23	1	"4673509".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:49
L24	1	"4769162".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:49
L25	1	"4927550".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:49
L26	1	"5062978".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:50
L27	1	"5110494".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:50
L28	1	"5132046".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:50
L29	1	"5170683".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:50
L30	1	"5185235".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:50
L31	1	"5207838".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:50
L32	1	"5215675".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:51
L33	1	"5349149".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:51

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	12364	laser and (crack or scribe or cleave or glass or brittle or silica or silicon) and surfactant and cooling	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:26
L2	600	(laser same (crack or scribe or cleave or glass or brittle or silica or silicon)) and (surfactant with (cationic or (non adj ionic) or anionic)) and (coolant or cooling)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:27
L3	205	(laser with (crack or scribe or cleave or glass or brittle or silica or silicon)) and (surfactant with (cationic or (non adj ionic) or anionic)) and (coolant or cooling)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:28
L4	0	(laser with (crack or scribe or cleave or glass or brittle or silica or silicon)) same (surfactant with (cationic or (non adj ionic) or anionic)) same (coolant or cooling)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:28
L5	8	(laser with (crack or scribe or cleave or glass or brittle or silica or silicon)) and (surfactant with (cationic or (non adj ionic) or anionic)) same (coolant or cooling)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:29
L6	3	(laser with (crack or scribe or cleave or glass or brittle or silica or silicon)) same (surfactant with (cationic or (non adj ionic) or anionic)) and (coolant or cooling)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:28
L7	4	(laser same (surfactant with (cationic or (non adj ionic) or anionic)) with (coolant or cooling))	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:30
L8	11	"219"/\$.ccls. and (laser and (surfactant with (cationic or (non adj ionic) or anionic)) and (coolant or cooling))	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:53
L9	14	"5534172"	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:39
L10	2	"3000826".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:46
L11	2	"3079340".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:46
L12	1	"3719598".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:47
L13	1	"3719598".PN.	USPAT; USOCR	OR	OFF	2007/11/09 17:47

CN Accelerator DT 3126-1
 CN Acetoquat CTAB
 CN Arquad 16/60
 CN BCTA
 CN Bromat
 CN Catinal HTB 70ET
 CN Cetremide
 CN Cetrimonium bromide
 CN Cetyltrimethylammonium bromide
 CN Cirrasol OD
 CN CTAB
 CN CTABr
 CN CTMAB
 CN CTMB
 CN HDTMA-Br
 CN Hexadecanyltrimethylammonium bromide
 CN Hexadecyltrimethylamine bromide
 CN HTAB
 CN Lauroseptol
 CN Lissolamine
 CN Lissolamine A
 CN Micol
 CN N,N,N-Trimethyl-1-hexadecanaminium bromide
 CN N,N,N-Trimethylhexadecan-1-ammonium bromide
 CN N,N,N-Trimethylhexadecylammonium bromide
 CN N-Cetyl-N,N,N-trimethylammonium bromide
 CN N-Cetyltrimethylammonium bromide
 CN N-Hexadecyl-N,N,N-trimethylammonium bromide
 CN n-Hexadecyltrimethylammonium bromide
 CN Palmityltrimethylammonium bromide
 CN Pollacid
 CN Quamonium
 CN Rhodaquat M 242B99
 CN Softex KW
 CN Trimethylcetylammmonium bromide
 CN Trimethylhexadecylammonium bromide
 CN Varisoft CTB 40
 DR 12294-25-6, 104302-76-3, 108779-80-2, 69217-35-2, 79631-76-8
 MF C19 H42 N . Br
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS,
 BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX,
 CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*,
 IFICDB, IFIPAT, IFIUDB, IPA, MRCK*, MSDS-OHS, PIRA, PROMT, PS, RTECS*,
 SCISEARCH, SPECINFO, TOXCENTER, ULIDAT, USAN, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)
 CRN (6899-10-1)

Me₃N—(CH₂)₁₅—Me

● Br⁻

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

Handwritten mark

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

Chemical Search

=> e ctab/cn

```

E1      1      CTA2/CN
E2      1      CTAA (BACILLUS LICHENIFORMIS STRAIN DSM13 GENE CTAA)/CN
E3      1 --> CTAB/CN
E4      1      CTAB (BACILLUS LICHENIFORMIS STRAIN DSM13 GENE CTAB)/CN
E5      1      CTAB (CYSTOBACTER FUSCUS GENE CTAB)/CN
E6      1      CTAB (MYCOBACTERIUM AVIUM PARATUBERCULOSIS STRAIN K-10 GENE
              CTAB)/CN
E7      1      CTABR/CN
E8      2      CTAC/CN
E9      1      CTAC (BACILLUS LICHENIFORMIS STRAIN DSM13 GENE CTAC)/CN
E10     1      CTAC (CYSTOBACTER FUSCUS GENE CTAC)/CN
E11     1      CTAC (MYCOBACTERIUM AVIUM PARATUBERCULOSIS STRAIN K-10 GENE
              CTAC)/CN
E12     1      CTAC 16/50/CN
  
```

=> s e3

L50 1 CTAB/CN

=> d scan

```

L50  1 ANSWERS  REGISTRY  COPYRIGHT 2007 ACS on STN
IN   1-Hexadecanaminium, N,N,N-trimethyl-, bromide (1:1)
MF   C19 H42 N . Br
CI   COM
  
```

Me₃N⁺—(CH₂)₁₅—Me

● Br⁻

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> => d ide l50

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L50  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   57-09-0  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   1-Hexadecanaminium, N,N,N-trimethyl-, bromide (1:1)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   1-Hexadecanaminium, N,N,N-trimethyl-, bromide (9CI)
CN   Ammonium, hexadecyltrimethyl-, bromide (8CI)
CN   Hexadecyltrimethylammonium bromide (6CI)
OTHER NAMES:
CN   1-Hexadecyltrimethylammonium bromide
  
```

54

E34 1 DODECYLBENZENESULFONIC ACID ETHANOLAMINE SALT/CN
 E35 1 DODECYLBENZENESULFONIC ACID ETHYLAMINE SALT/CN
 E36 1 DODECYLBENZENESULFONIC ACID ETHYLENE DIAMINE/CN

=> e DODECYLBENZENESULFONIC ACID sodium/cn

E1 1 DODECYLBENZENESULFONIC ACID POTASSIUM SALT/CN
 E2 1 DODECYLBENZENESULFONIC ACID PROPYLAMINE SALT/CN
 E3 0 --> DODECYLBENZENESULFONIC ACID SODIUM/CN
 E4 1 DODECYLBENZENESULFONIC ACID SODIUM SALT/CN
 E5 1 DODECYLBENZENESULFONIC ACID STEARYLDIMETHYLAMINE SALT/CN
 E6 1 DODECYLBENZENESULFONIC ACID TETRABUTYLPHOSPHONIUM SALT/CN
 E7 1 DODECYLBENZENESULFONIC ACID TRIBUTYLBENZYLAMMONIUM SALT/CN
 E8 1 DODECYLBENZENESULFONIC ACID TRIETHANOLAMINE SALT/CN
 E9 1 DODECYLBENZENESULFONIC ACID TRIETHYLAMINE SALT/CN
 E10 1 DODECYLBENZENESULFONIC ACID, BASIC CERIUM SALT/CN
 E11 1 DODECYLBENZENESULFONIC ACID-1,6-HEXANEDIOL-SEBACIC ACID COPO
 LYMER/CN
 E12 1 DODECYLBENZENESULFONIC ACID-PALMITIC ACID-PENTAERYTHRITOL CO
 POLYMER/CN

=> s e4

L51 1 "DODECYLBENZENESULFONIC ACID SODIUM SALT"/CN

=> d ide

L51 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN

RN 25155-30-0 REGISTRY

ED Entered STN: 16 Nov 1984

CN Benzenesulfonic acid, dodecyl-, sodium salt (1:1) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzenesulfonic acid, dodecyl-, sodium salt (8CI, 9CI)

OTHER NAMES:

CN 35SL
 CN A 1-1575
 CN A 41S
 CN Abeson NAM
 CN AKS 518-2
 CN Alkanate DC
 CN Anstex MJ 420
 CN Arylan SBC
 CN AS 101-1
 CN Berol 496
 CN Bio-Soft D 35X
 CN Bio-Soft D 40
 CN Bio-Soft D 40RC
 CN Bio-Soft D 62
 CN Bio-Soft LAS 40S
 CN Biosoft 40S
 CN C 550
 CN C 560
 CN Caflon NAS 30
 CN Caflon SNA
 CN Calsoft 90F
 CN Calsoft F 90
 CN Calsoft L 40
 CN Calsoft L 50
 CN Calsoft L 60
 CN Conco AAS 35
 CN Conco AAS 35H
 CN Conco AAS 40S

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CN Conco AAS 45S
 CN Conoco C 550
 CN DBS
 CN Deterlon
 CN Deterlon A
 CN Dobanic 560
 CN DoBS
 CN Dodecylbenzenesulfonic acid sodium salt
 CN DS 10
 CN DS 60
 CN DS 60 (surfactant)
 CN Elecat S 412
 CN Elfan WA 35
 CN Elfan WA 50
 CN Elfan WA Powder
 CN Emulin B 22
 CN EPA 219
 CN F 25
 CN F 90
 CN F 90 (sulfonic acid)
 CN FAW 01

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY

DR 863016-65-3, 12068-21-2, 12627-25-7, 12676-70-9, 11114-21-9, 177645-67-9,
 1323-13-3, 128452-17-5, 122390-78-7, 57762-50-2, 58517-33-2, 56590-39-7,
 60328-33-8, 63530-22-3, 18618-53-6, 19327-14-1, 94187-92-5, 37334-89-7,
 68445-25-0, 138362-06-8, 71244-85-4, 76483-01-7, 142986-60-5, 147035-77-6,
 82785-43-1, 83203-33-2, 82028-94-2, 83652-87-3, 83652-88-4, 83652-89-5,
 90452-02-1, 88495-86-7, 28675-02-7, 39316-39-7, 39386-98-6, 39405-16-8,
 52624-37-0, 170006-86-7, 178900-97-5, 254117-47-0, 352212-18-1

MF C18 H30 O3 S . Na

CI IDS, COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOSIS, BIOTECHNO, CA, CABA,
 CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHM, CSNB, DETHERM*,
 EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, HSDB*, IFICDB,
 IFIPAT, IFIUDB, IPA, MRCK*, MSDS-OHS, PIRA, PROMT, RTECS*, TOXCENTER,
 ULIDAT, USPAT2, USPATFULL, USPATOLD

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

CRN (27176-87-0)



D1—SO₃H

Me—(CH₂)₁₁—D1

● Na

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9645 REFERENCES IN FILE CA (1907 TO DATE)
87 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
9702 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d fcn

L51 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
CN Benzenesulfonic acid, dodecyl-, sodium salt (1:1) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzenesulfonic acid, dodecyl-, sodium salt (8CI, 9CI)
OTHER NAMES:
CN 35SL
CN A 1-1575
CN A 41S
CN Abeson NAM
CN AKS 518-2
CN Alkanate DC
CN Anstex MJ 420
CN Arylan SBC
CN AS 101-1
CN Berol 496
CN Bio-Soft D 35X
CN Bio-Soft D 40
CN Bio-Soft D 40RC
CN Bio-Soft D 62
CN Bio-Soft LAS 40S
CN Biosoft 40S
CN C 550
CN C 560
CN Caflon NAS 30
CN Caflon SNA
CN Calsoft 90F
CN Calsoft F 90
CN Calsoft L 40
CN Calsoft L 50
CN Calsoft L 60
CN Conco AAS 35
CN Conco AAS 35H
CN Conco AAS 40S
CN Conco AAS 45S
CN Conoco C 550
CN DBS
CN Deterlon
CN Deterlon A
CN Dobanic 560
CN DoBS
CN Dodecylbenzenesulfonic acid sodium salt
CN DS 10
CN DS 60
CN DS 60 (surfactant)
CN Elecat S 412
CN Elfan WA 35
CN Elfan WA 50
CN Elfan WA Powder
CN Emulin B 22
CN EPA 219

3

CN F 25
CN F 90
CN F 90 (sulfonic acid)
CN FAW 01
CN HS 85S
CN Jugopon
CN KB
CN KB (surfactant)
CN Lavagion
CN Lipon LS 250
CN Lipon PS 260
CN Lipon PS 860
CN Liponox LE 110
CN Lutensit A-LBN 50
CN Lutensit A-LBS
CN Maranil
CN Maranil 2G
CN Maranil 55
CN Maranil A
CN Maranil A 25
CN Maranil A 55
CN Maranil Lab
CN Maranil Paste A 55
CN Marlon 375
CN Marlon 375A
CN Marlon A
CN Marlon A 350
CN Marlon A 365
CN Marlon A 375
CN Marlon A 396
CN MB-VR
CN Merpisap AP 85W
CN Merpisap AP 90P
CN MOA 215
CN Nacconol 35SL
CN Nacconol 40F
CN Nacconol 40G
CN Nacconol 90G
CN Nansa 1106
CN Nansa 1169P
CN Nansa 1260
CN Nansa 66
CN Nansa HF 80
CN Nansa HS 80
CN Nansa HS 80S
CN Nansa HS 80SA
CN Nansa HS 85S
CN Nansa HS 90S
CN Nansa SL
CN Nansa SS
CN Nansa SSA 055
CN Neogen S 20
CN Neogen SC
CN Neogen SC-F
CN Neopelex 05
CN Neopelex 25
CN Neopelex 6
CN Neopelex 6E
CN Neopelex 6F
CN Neopelex F 25

CN Neopelex F 60
CN Neopelex F 65
CN Neopelex G 15
CN Neopelex G 20
CN Neopelex G 65
CN Neopelex N 6
CN Nestapone
CN Newcol 220L
CN Newrex Powder F
CN Newrex R
CN Newrex Soft 60
CN Newrex Soft 60N
CN Newrex T
CN Nissan Newrex F
CN Nissan Newrex H
CN Nissan Newrex R
CN Nissan Newrex Soft 60
CN Nissan Newrex T
CN Nonylphenyl sodium sulfonate
CN Oromin O
CN Pelopon A
CN Phenyl Sulfonate HSR
CN Pionin A 41S
CN Polystep A 15
CN Polystep A 4
CN Polystep A 7
CN Polystep LAS 50
CN Reworyl NKS 50
CN Rhodacal DS 10
CN Rhodacal DS 4
CN Rhodacal LDS 22
CN Richonate 1850
CN Richonate 40B
CN S 412
CN Sandet 60
CN Santomerse Me
CN SC-F
CN SDBS
CN Sinnozon
CN Siponate DS 10
CN Siponate DS 4
CN Siponate LDS 10
CN Sodium dodecylbenzenesulfonate
CN Sodium Dodecylbenzosulfonate
CN Sodium dodecylphenylsulfonate
CN Sodium laurylbenzenesulfonate
CN Sodium laurylphenylsulfonate
CN Sorpol 5060
CN Sorpol 9775
CN Sorpol DBNa
CN Steinaryl NKS 100
CN Steinaryl NKS 50
CN Stepan DS 60
CN Stepantan DS 40
CN Stepatan DS 40
CN Sulfaril Paste
CN Sulframin 1207
CN Sulframin 1240
CN Sulframin 40
CN Sulframin 85

CN Sulfuril 50
 CN Taycapower BN 2070M
 CN Taycapower LN 2065
 CN Teikapawa BN 2060M
 CN TME 020
 CN TPL 456
 CN Trepolate F 40
 CN Trepolate F 95
 CN TYS 101
 CN Ultrawet 1T
 CN Ultrawet 99LS
 CN Vista C 550
 CN Vista C 560
 CN Vista SA 597
 CN Witconate 1223L
 CN Witconate 1238
 CN Witconate 1240
 CN Witconate 1250
 CN Witconate 1260
 CN Witconate 60B
 CN Witconate 90
 CN Witconate K
 CN X 2073

=> => d fide

L62 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 13149-86-5 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 3,6,9,12,15,18,21,24,27,30-Decaoxaocatetracontan-1-ol (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Ethanol, 2-[2-[2-[2-[2-[2-[2-[2-[2-(octadecyloxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]-
 MF C38 H78 O11
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)
 DT.CA Caplus document type: Conference; Journal; Patent
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study)
 RL.NP Roles from non-patents: PROC (Process); PRP (Properties); USES (Uses); NORL (No role in record)

PAGE 1-A

HO-CH₂-CH₂-O-CH₂-CH₂-O-CH₂-CH₂-O-CH₂-CH₂-O-CH₂-CH₂-O-

PAGE 1-B

-CH₂-CH₂-O-CH₂-CH₂-O-CH₂-CH₂-O-CH₂-CH₂-O-CH₂-CH₂-O-

EAST Search History

L34	0	("7109152".pn. or "6673752".pn. or "5534172".pn. and "3833502".pn. or "3980571".pn. or "5170683".pn.) and (laser and (surfactant with (cationic or (non adj ionic) or anionic)) and (coolant or cooling))	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:55
L35	3	("7109152".pn. or "6673752".pn. or "5534172".pn. or "3833502".pn. or "3980571".pn. or "5170683".pn.) and (surfactant and (cationic or (non adj ionic) or anionic)) and (coolant or cooling)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 17:57